



457696



Fw: Number of Samples for Western Tar Using VSP
VERNETA SIMON to: SALLY JANSEN, Steven Kaiser

02/02/2010 07:04 AM

Last month, I took a class at Argonne called Visual Sample Plan (VSP) along with START/Weston, which is on the website <http://vsp.pnl.gov>. When I discussed the QAPP issues with Keramida and Alida Roberman, I suggested Keramida check the website vsp.pnl.gov and apply VSP because I did not agree with their recommendation to take 3 samples. In addition, I stated they should also contact the MS4 person from Terre Haute so he could decide if they needed an erosion control plan, since IDEM had delegated MS4 to Terre Haute. In the meantime, I have Ed Karecki (U.S. Fish & Wildlife stationed here in Superfund on the 6th floor) helping me with endangered and threatened species and keeping up on the Indiana Bat season.

--- Forwarded by VERNETA SIMON/R5/USEPA/US on 02/02/2010 06:56 AM ---

From: "Patel, Omprakash" <Omprakash.Patel@WestonSolutions.com>
To: VERNETA SIMON/R5/USEPA/US@EPA
Date: 01/29/2010 11:07 AM
Subject: Number of Samples for Western Tar Using VSP

Verneta,

Using Visual Sampling Plan (VSP) WESTON solutions has prepared three scenarios described below for determining number of samples and locations of samples with 95% Confidence. For identifying the sample locations a hot spot for the site was identified based on the area of seepage of wood treatment waste product on the bank of Wabash River.

Scenario 1: For this scenario the number and location of the samples was identified based on 50-foot radius within the hotspot; and 100-foot radius for remainder of the site. The number of samples determined using above assumption is 10 samples in the hotspot and 13 samples in remainder of the site. The 23 samples determined for this scenario is shown on Figure 1.

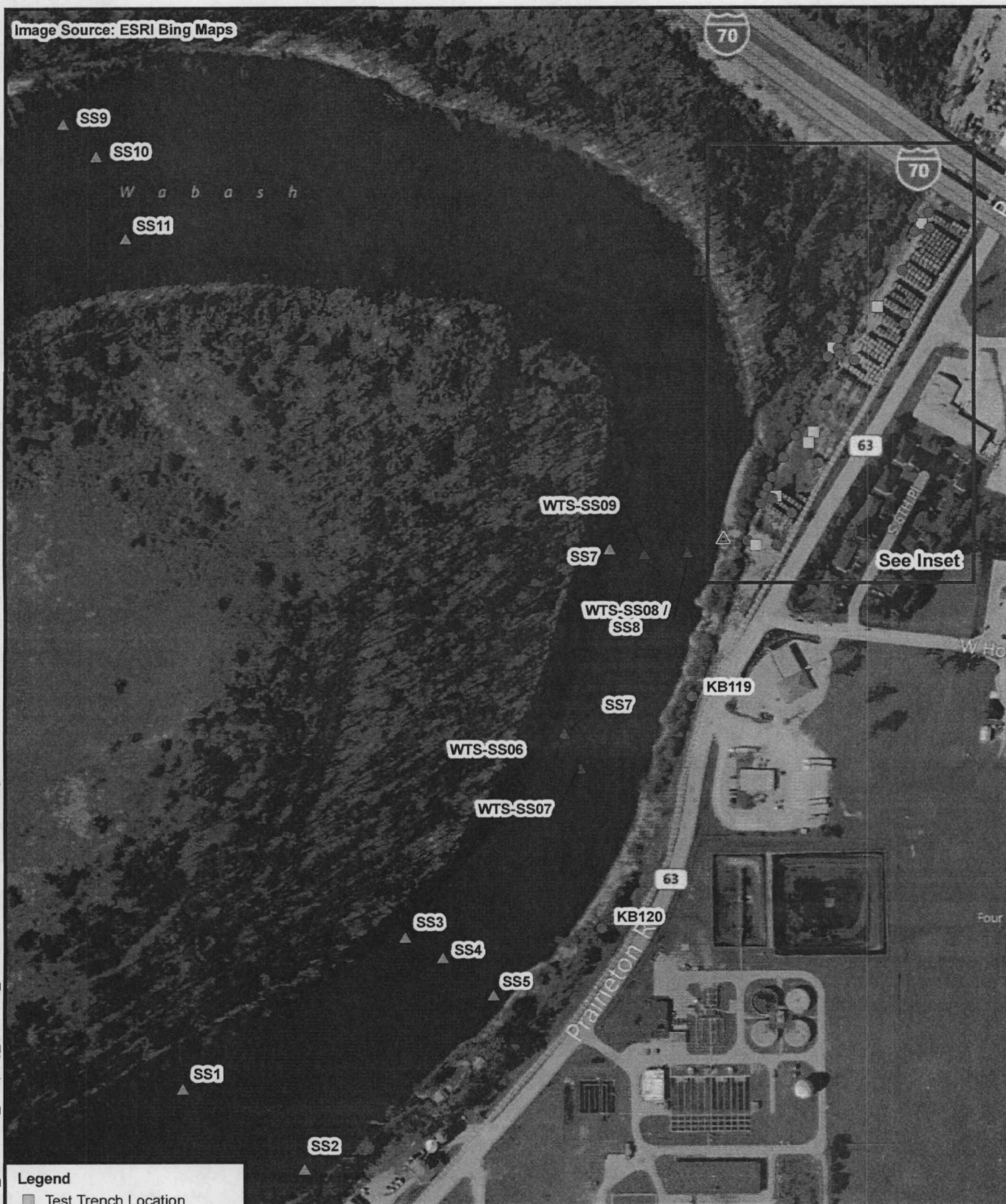
Scenario 2: For this scenario the number and location of the samples was identified based on 100-foot radius within the hotspot; and 100-foot radius was determined for remainder of the site. The number of samples determined using above assumption is 3 samples in the hotspot and 13 samples in remainder of the site. The 16 samples determined for this scenario is shown on Figure 2.

Scenario 3: For this scenario the number and location of the samples was identified based on 100-foot radius within the hotspot; and 150-foot radius was determined for remainder of the site. The number of samples determined using above assumption is 3 samples in the hotspot and 6 samples in remainder of the site. The 9 samples determined for this scenario is shown on Figure 3.

If above scenarios are to be used to determine number of samples, Scenario 1 sampling strategy is recommended. It should be noted that above scenarios do not take into account the process area and the impact to Wabash River. If you have any questions please call 847-551-9908.

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Image Source: ESRI Bing Maps



Legend

- Test Trench Location
- Soil Boring Location
- ▲ PRP Sediment Location
- ▲ Weston Sediment Location
- ▲ Tar Location

0 350
Feet



Prepared for:
U.S. EPA REGION V

Contract No.: EP-S5-06-04
TDD: S05-0001-0910-005
DCN:



Prepared By:
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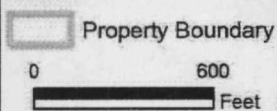
Sampling Location Map
Former Western Tar Facility
2525 Prairieton Road
Terre Haute, Vigo County, Indiana

Image Source:
ESRI Bing Maps



FILE: D:\Western_Tar\mxd\Report\F2_Site_Vicinity_Map.mxd 12:25:45 PM 11/4/2011 mejam

Legend



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Figure 2-1
Site Vicinity Map
Former Western Tar Facility
2525 Prairieon Road
Terre Haute, Vigo County, Indiana